## ABSTRACT OF THE DISCLOSURE

An underwater wide-band electroacoustic transducer and a method of packaging the transducer. The underwater wide-band electroacoustic transducer comprises of several groups of piezoelectric ceramic units and acoustic window material. To produce the underwater wide-band electroacoustic transducer, groups of piezoelectric ceramic units each having a different dimension are assembled such that each ceramic unit separates from each other by different distances. The frequency response of each ceramic unit groups are added together to provide a wide-band frequency response. The acoustic window material is injected to joins the ceramic unit groups together into a package.

PATENT DOCKET